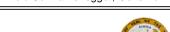
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-008719 Address: 333 Burma Road **Date Inspected:** 31-Aug-2009

City: Oakland, CA 94607

OSM Arrival Time: 645 **Project Name:** SAS Superstructure **OSM Departure Time:** 1845 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island Location: Shanghai, China

CWI Name: CWI Present: Yes N/A No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A Yes N/A **Electrode to specification:** No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes N/A **Approved Drawings:** Yes No **Approved WPS:** No Yes N/A **Delayed / Cancelled:** No

34-0006 **Bridge No: Component:** OBG COMPONENT

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance(QA) Inspector, Subhasis Bera was present during the times noted above for observations relative to the work being performed.

In process Inspection

BAY #11

This QA Inspector observed the following work in progress:

Flux Core Arc Welding (FCAW) in the 3G position of the U-rib to U-rib splice weld ,No. DP-3010-001-013. The welder is identified as #059416. ZPMC QC is identified as Mr.Chen Shigang. The welding variables recorded by QC appear to comply with WPS-B-T-2233-B-U2-F.

Flux Core Arc Welding (FCAW) in the 2G position of the U-rib to Deck Plate Tack weld ,No. DP-3019-001-001~010. The tack welder is identified as #059446. ZPMC QC is identified as Mr.Chen Shigang. The welding variables recorded by QC appear to comply with WPS-B-T-2342-U5b(U-rib).

Flux Core Arc Welding (FCAW) in the 3G position of the U-rib to stiffener, weld No. DP-3068-001-019/020. The welder is identified as #059443. ZPMC QC is identified as Mr.Chen Shigang. The welding variables recorded by QC appear to comply with WPS- B – T-2233-Tc-U4b-F.

Ultrasonic Testing(Phased Array)

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

The QA Inspector performed Phased Array Ultrasonic Testing (PAUT) on Orthotropic Box Girder deck plates to closed rib welds at the tack weld locations (marked for crack confirmation) which were previously tested by Caltrans QA personnel. The QA Inspector generated a field inspection UT report on this date designating areas of rejectable indications.

Panel identification numbers are

DP-482-001(11BE)

DP-131-001(11BW)

DP-483-001(11CE)

DP-481-001(11AE)

DP-267-001(10CW)

DP-106-001(11DW)

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Bera, Subhasis	Quality Assurance Inspector
Reviewed By:	Prue,Erik	QA Reviewer